

## Type Approval Certificate

*This is to certify that the undernoted products have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.*

This certificate is issued to:

<b>PRODUCER</b>	Finder SpA
<b>PLACE OF PRODUCTION</b>	Via Drubiaglio, 14 10040 Almese (Turin) Italy
<b>DESCRIPTION</b>	Series 46 Miniature relays
<b>TYPES</b>	46.52 and 46.61
<b>APPLICATION</b>	For use in environmental categories ENV1, ENV2 and ENV3 as defined in LR Test Specification No 1: 2002.
<b>SPECIFIED STANDARDS</b>	EN 61810-1:2008 and EN 60664-1:2007
<b>RATINGS</b>	1 and 2 pole relays. 46.52 rated current: 8A and 46.61 rated current: 16A. Rated Voltage: 250V.

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. 12/00032 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

<b>Certificate No.</b>	12/00032
<b>Issue Date</b>	31 May 2012
<b>Expiry Date</b>	30 May 2017
<b>Sheet</b>	1 of 1



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DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
31 May 2012	LDSO/ETS/MRG/WP10716976/W03019676

LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

Issued to: FINDER SPA

for: SERIES 46 MINIATURE RELAYS

TYPE APPROVAL CERTIFICATE No. 12/00032

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Approval Services Request for Quotation form

3 February 2012

LR Milan Visit Report

2 May 2012

TEST REPORTS

EC Declaration of Conformity

18 November 2009

Finder S.p.A catalogue

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Finder S.p.A Laboratory Test Report 200, Mod. LO910\_E, rev 2

28 February 2012

IMQ S.p.A. Test Report, CV02LM00001/1

26 January 2012

IMQ S.p.A. Test Report, CV02LM00001

26 January 2012

IMQ S.p.A. Notification of Test Results, Reference 30077/IMQ

9 February 2010

IMQ S.p.A. Approval Certificate E9971

23 December 2009

Supplementary Type Approval Terms and Conditions

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.*



M.R. Greenhalgh

London Design Support Office

Lloyd's Register EMEA

Part 2  
Relays - Magnetic (Part 2)

Producer/ Licence No.	Type	Standard	Utilization Category	Contact Rating						Category/ Additional Tests	Remarks	Cert. No.
				A.C. (50/60Hz)			D.C.					
				Operational Voltage U <sub>e</sub>	Operating Current Amperes	Power Factor	Operational Voltage U <sub>e</sub>	Operating Current I <sub>e</sub> Amperes	Time Constant Secs.			
Finder S.p.A. Via Druèaglio, 14, 10040 Alimese (Turin), Italy.	Series 46 Miniature relays: 46.52 46.61 1 and 2 pole relays.	EN 61810- 1:2008 and EN 60664- 1:2007		250	8					ENV1 ENV2 ENV3 (2002)	Expires: 30 May 2017	12/00032
				250	16							